Region I FORM 304 (8/88)

U.S. NUCLEAR REGULATORY COMMISSION

SAMPLE RECORD SHEET

REGION I LABORATORY

LAB CONTROL NUMBER: 301839

ROUTINE / URGENT — DATE NEEDED

SAMPLE LOCATION: Tenneco Polymers (Fords, NJ)

DATE ANALYSIS BEGAN — DATE COMPLETED — ANALYZED BY — DATE

COLLECTED BY: T. Jackson — DIVISION: DNMS — PHONE — CONTACT NOTIFIED — DATE — APPROVED BY: [illegible] — DATE: 11-4-96

SAMPLE NO	DATE	HOUR	DESCRIPTION	ANALYZE FOR	INSTRUMENT USED	QUANTITY USED	DATE COUNTED	COUNT TIME	GROSS COUNT	BACK GROUND	NET COUNT	Radio nuclide	RESULT ±1σ* pCi/g
1	10/11		Tank Farm	γ scan	#2	354.6 g	10/23	60,000 s				Ra-226	0.7±0.3
												Pb-214	0.606±0.014
												Bi-214	0.509±0.013
												U-235	0.05±0.02
												Th-234	0.94±0.07
												Pa-234m	1.1±0.5
2	10/11		Basin	γ scan	#1	365 g	10/22	60,000 s				Ra-226	0.8±0.4
												Pb-214	0.80±0.02
												Bi-214	0.75±0.02
												U-235	0.07±0.02
												Th-234	1.1±0.3
												Pa-234m	1.2±0.7

*Random uncertainties reported are 1 standard deviation. 1σ small negative and other results ≤ 2σ are interpreted as including "zero" or as not detected. If appropriate, estimates of possible systematic errors are reported in parentheses.

(pink) 2. INSPECTOR

Region I FORM 303
(8-88)

U.S. NUCLEAR REGULATORY COMMISSION

REQUEST FOR ANALYSIS
Region I Laboratory

LABORATORY USE ONLY

CONTROL NUMBER: 30183 9

SAMPLE LOCATION (LICENSEE): Tenneco Polymers, Fords, NJ

LICENSE NO.:

DOCKET NO.: 040-01266

SAMPLES SUBMITTED

#(TOTAL)	TYPE	VOLUME	WEIGHT
2	Soil		

DATE SAMPLES SUBMITTED: 10/14/96

PRIORITY: X ROUTINE / URGENT ***

SAMPLE COLLECTION INTERVAL

	MONTH	DAY	YEAR	TIME
START				
STOP				

INSPECTOR RESPONSIBLE: Todd Jackson

PHONE EXT.:

ANALYSIS TO BE PERFORMED	LIST DESIRED LLD (Optional)	OTHER TYPE OF ANALYSIS (Specify)	LIST DESIRED LLD (Optional)
GROSS ALPHA			
GROSS BETA			
GAMMA SPEC	✓		
TRITIUM			
CARBON 14			
IODINE 125			

REMARKS: Results requested not later than 11/1. Facility used uranyl nitrate. May be sodium also

"SE corner of site" - about 1 inch layer of soil over mica - 12 uR/h at surface where collected

"Settling basin #11" - 15 cm deep, hole ~15 cm diameter - 12 uR/h at surface where collected

NOTE: Samples will be discarded after analysis unless reasons are noted above in Remarks.

*** FOR URGENT USE ONLY - Signature Blocks below must be filled out by the Inspector's appropriate Section Chief and by the Chief, Effluents Radiation Protection Section BEFORE submitting this form to the Region I Laboratory.

SIGNATURE - APPROPRIATE NUCLEAR MATERIALS SAFETY SECTION CHIEF | DATE

SIGNATURE - CHIEF, EFFLUENTS RADIATION PROTECTION SECTION | DATE

(pink) 2 INSPECTOR